CLAIMS

I claim:

	1	/ An immunodeficient mouse comprising:
	2	a) human T lymphocytes expressing the CD45 antigen, wherein at least 5% of the
	3	human T cells expressing the CD45 antigen represent immature naive T lymphocytes; and
	4	b) human tumor cells;
	5	wherein said immunodeficient mouse is a SCID/beige mouse.
7	1	2. The mouse according to claim 1, wherein said tumor cells are from a tumor cell
	2	line.
	1	3. The mouse according to claim 1, wherein said tumor cells are from a primary tumor.
The Court To State of the Total Total Total State of The Total Total Total Total	1	4. The mouse according to claim 1, wherein said tumor cells are derived from central
	2	nervous system cells.
	1	5. The mouse according to claim 4, wherein said tumor cells derived from central
	2	nervous system cells are glioblastoma cells.
	1	6. The mouse according to claim 1, wherein at least one of said tumor cells contains
	2	at least one transgene.
	1	7/ The mouse according to claim 6, wherein at least one of said transgenes is a human
	2	immunomodulator gene.

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1	8. The mouse according to claim 6, wherein at least one of said transgenes is delivered
2	by a viral vector.
1	9. The mouse according to claim 1, further comprising an immunogen.
1	10. The mouse according to claim 9, wherein said immunogen is a vaccine.
1	M. A tumor cell vaccine comprising a tumor cell expressing B7-2 and at least one
2	additional immune modulator.
1	12. The vaccine according to claim 11, wherein said at least one additional immune
2	modulator is a cytokine.
1	13. The vaccine according to claim 12, wherein said cytokine is selected from the
2	group consisting of interleukin 2, interleukin 4, interleukin 6, interleukin 7, interleukin 12,
3	granulocyte-macrophage colony stimulating factor, granulocyte colony stimulating factor,
4	interferon-gamma, turnor necrosis factor-alpha.
1	14. A method of treating a tumor comprising:
2	a) providing:
3	a subject having a tumor of the central nervous system;
4	ii) an expression vector encoding the human B7-2 protein and at
5	least one additional immune modulator;
6	b) transferring said expression vector into said tumor under conditions
7	such that said B7-2 protein and said immune-modulator are expressed by at least a
8	portion of said tumor.

	The method according to claim 14 further comprising, prior to transfer of said
expression vector	or, the step of removing at least a portion of said tumor from said subject and
following said to	ransfer of said expression vector, irradiating said tumor cells expressing said
B7-2 protein an	d said immune-modulator and introducing said irradiated tumor cells back
into said subject	to create an immunized subject.

16. The method according to claim 15 further comprising, introducing at least one additional dose of irradiated tumor cells expressing said B7-2 protein and said immune-modulator into said immunized subject.

